

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1. (Currently Amended) A packet based closed loop video display interface with periodic status check capability arranged to couple a multimedia source device and a multimedia sink device, comprising:

an adjustable, high speed main link arranged to carry a number **of** multimedia data packets from the multimedia source device to the multimedia sink device; and

a bi-directional auxiliary channel arranged to provide a number of support functions useful for main link set up and supporting main link operations such as periodically sending a status check of the multimedia display device to the multimedia source device such that the closed loop created by combining the adjustable, high speed main link with the auxiliary channel allows for robust operation of the display interface over a variety of main link conditions.

2. (Original) An interface as recited in claim 1 wherein the auxiliary channel also provides information transfer between the multimedia source device and the multimedia display device and vice versa.

3. (Original) An interface as recited in claim 2 wherein the information transferred over the auxiliary channel includes a set of packet attributes.

4. (Original) An interface as recited in claim 2 wherein the information transferred over the auxiliary channel includes auxiliary application data such as USB traffic.

5. (Original) An interface as recited in claim 2 wherein the information transferred over the auxiliary channel includes results of training sessions.

6. (Original) An interface as recited in claim 1, wherein the display device can inform the source device of events such as sync loss and/or dropped packets over the auxiliary channel.

7. (Currently Amended) A method of providing a packet based closed loop video display interface with periodic status check capability arranged to couple a multimedia source device and a multimedia sink device, comprising:

carrying a number **of** multimedia data packets from the multimedia source device to the multimedia sink device over an adjustable, high speed main link; and

providing a number of support functions useful for main link set up and supporting main link operations on a bi-directional auxiliary channel, wherein the supporting main link operations include periodically sending a status check of the multimedia display device to the multimedia source device and wherein the closed loop created by combining the adjustable, high speed main link with a very reliable auxiliary channel allows for robust operation of the display interface over a variety of main link conditions.

8. (Original) A method as recited in claim 7 wherein the auxiliary channel also provides information transfer between the multimedia source device and the multimedia display device and vice versa.

9. (Original) A method as recited in claim 8 wherein the information transferred over the auxiliary channel includes a set of packet attributes.

10. (Original) A method as recited in claim 8 wherein the information transferred over the auxiliary channel includes auxiliary application data such as USB traffic.

11. (Original) A method as recited in claim 8 wherein the information transferred over the auxiliary channel includes results of training sessions.

12. (Original) A method as recited in claim 7, wherein the display device can inform the source device of events such as sync loss and/or dropped packets over the auxiliary channel.

13. (Currently Amended) **A non-transitory computer readable medium having a computer program executable by a processor** ~~Computer program product~~ for providing a packet based closed loop video display interface with periodic status check capability arranged to couple a multimedia source device and a multimedia sink device, comprising:

computer code for carrying a number **of** multimedia data packets from the multimedia source device to the multimedia sink device over an adjustable, high speed main link; and

computer code for providing a number of support functions useful for main link set up and supporting main link operations on a bi-directional auxiliary channel, wherein the supporting main link operations include periodically sending a status check of the multimedia display device to the multimedia source device and wherein the closed loop created by combining the adjustable, high speed main link with a very reliable auxiliary channel allows for robust operation of the display interface over a variety of main link conditions.

14. (Currently Amended) **A non-transitory computer readable medium** ~~Computer program product~~ as recited in claim 13 wherein the auxiliary channel also provides information transfer between the multimedia source device and the multimedia display device and vice versa.

15. (Currently Amended) **A non-transitory computer readable medium** ~~Computer~~
~~program-product~~ as recited in claim 14 wherein the information transferred over the auxiliary
channel includes a set of packet attributes.

16. (Currently Amended) **A non-transitory computer readable medium** ~~Computer~~
~~program-product~~ as recited in claim 14 wherein the information transferred over the auxiliary
channel includes auxiliary application data such as USB traffic.

17. (Currently Amended) **A non-transitory computer readable medium** ~~Computer~~
~~program-product~~ as recited in claim 14 wherein the information transferred over the auxiliary
channel includes results of training sessions.

18. (Currently Amended) **A non-transitory computer readable medium** ~~Computer~~
~~program-product~~ as recited in claim 13, wherein the display device can inform the source
device of events such as sync loss and/or dropped packets over the auxiliary channel.

19. (New) An integrated circuit configured to enable periodic status checks between coupled
multimedia source and sink devices, the integrated circuit comprising:

circuitry adapted to support an adjustable, high speed, unidirectional main link
arranged to carry a number of multimedia data packets from the multimedia source device to the
multimedia sink device; and

circuitry adapted to support a bi-directional auxiliary channel adapted to provide a
number of support functions useful for main link set up and supporting main link operations to
include circuitry enabling periodically sending a status check of the multimedia display device to
the multimedia source device during normal operation of the display interface such that the

closed loop created by combining the adjustable, high speed main link with the auxiliary channel allows for robust operation of the display interface over a variety of main link conditions; wherein neither the main link nor the auxiliary channel include separate clock signals.

20. (New) A packet based closed loop video display interface with periodic status check capability arranged to couple a multimedia source device and a multimedia sink device, comprising:

an adjustable, high speed, unidirectional main link arranged to carry a number of multimedia data packets from the multimedia source device to the multimedia sink device; and

a bi-directional auxiliary channel arranged to provide a number of support functions useful for main link set up and supporting main link operations such as periodically sending a status check of the multimedia display device to the multimedia source device during normal operation of the display interface such that the closed loop created by combining the adjustable, high speed main link with the auxiliary channel allows for robust operation of the display interface over a variety of main link conditions; wherein neither the main link nor the auxiliary channel include separate clock signals.